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[A context-based object-oriented application framework for discrete event ...](#)

JT Lin, KC Yeh, LC Sheu - Computers & Industrial Engineering, 1996 - Elsevier

... 7, Class hierarchy of CSIMT+. Contextbased objectoriented application framework Declaration

I DefinitionMMs Queue, Server, .j llll CSIMTPPEVENT call llll Everd Handler 1 l Event Handler

2 ARVL II ENOSV I ... 8. The structure of a single context simulation model. ...

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[... for parallel processing of events within multiple event contexts maintaining ordered ...](#)

A Kumar, PR Chandra - US Patent App. 10/718,497, 2003 - Google Patents

... Typically, incoming data packets are entered into a dynamic random access memory (DRAM)

38 in communication with the network ... A FIFO event queue 36 is associated with the execution context to temporarily store the events (packets) for that event context (for the ...

[All 2 versions](#)

[\[PDF\] ASX: an object-oriented framework for developing distributed applications](#)

[psu.edu](#) [PDF]

DC Schmidt - Proceedings of the, 1994 - Citeseer

... Instead, it is invoked by a sepa- rate thread associated with its Task. This thread provides an execution context and thread of control for the Task's svc method. This method runs an event loop that continu- ously waits for messages to arrive on the Task's Message Queue. ...

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DG Waddington, R Viswanathan - ACM SIGOPS Operating ..., 2002 - portal.acm.org

... After the transfer, an event is set that is used to wake up a worker thread which then completes the processing, outside of the interrupt context. ... The worker thread completes the processing by adding the new packet to the appropriate queue via an invocation on zeue, provided ...

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T Vardanega, J Zamorano, JA De La Puente - Real-Time Systems, 2005 - Springer

... Signal transfers the current queue of waiters from the Wait queue, excluding the head element, to the Signaled queue and performs a direct context switch to the ... The Profile requires that no more than one event-triggered task can be on any protected object entry queue. ...

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System test synthesis from UML models of distributed software

[psu.edu \[PDF\]](#)

S Pickin, C Jard, Y Le Traon, T Jérón, JM ... - Lecture Notes in ..., 2002 - Springer

... This subtype has the same interface (signature) as the context: this interface comprises one operation for each ... by an external actor from any system object, the external actor input queue is considered ... diagrams but with a semantics in terms of partial orders of events rather than ...

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An object-oriented framework for dynamically configuring extensible distributed ...

[psu.edu \[PDF\]](#)

DC Schmidt, T Suda - Distributed Systems Engineering, 1994 - iop.org

... The ASX framework allows the choice between static and dynamic configuration to be ... connection requests and application data) onto pre-registered application-specified event handlers. ... such as memory-to-memory copying and data manipulation, context switching, scheduling ...

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A KPN Based Cooperative Composition Model of Services

X Zhang, W Zhang, J Shi - Lecture notes in computer science, 2005 - Springer

... repository to service container dynamically via scheduling events of service control queue in the ... The main lifecycle management events invoked by service container are init(), service() and stop(). ... papersleepn.pdf 8. Hyke W. van Dijk, Henk J. Sips, Context-Aware Process ...

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Policy-driven data dissemination for context-aware applications

[psu.edu \[PDF\]](#)

G Chen, D Kotz - Proceedings of 3rd IEEE ..., 2005 - doi.ieeecomputersociety.org

... vides quantitative feedback when dropping data while PACK allows explicit summarization of dropped events. ... We present a novel approach to solve the queue overflow problem using application ... policies, taking advantage of the observation that many context-aware pervasive ...

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R Viswanathan - Citeseer

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R Ford - Proceedings of the 1990 ACM annual conference on ..., 1990 - portal.acm.org

... These attributes and the contents of the event queue are used by an instance of GERTMs, so ... cessed in the context of information from the Program- ming Support Environment (eg, program symbol ta ... the Binder to activate a spe- cific primitive check on the target event sequence. ...

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of Services

AKPNBCC Model - Grid and cooperative computing: GCC 2005 ..., 2005 - books.google.com
... repository to service container dynamically via scheduling events of service control queue in the ... The main lifecycle management events invoked by service container are initQ, serviceQ and stopQ. ... pdf 8. Hylke W. van Dijk, Henk J. Sips, **Context-Aware Process Networks**, http ...

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P Levis, N Lee, M Welsh, D Culler - Proceedings of the 1st ..., 2003 - portal.acm.org
... obtain a scale, fidelity, and completeness that would be intractable in a general purpose context. ...
The TinyOS task scheduler uses a non-preemptive, FIFO scheduling policy ... for compiling TinyOS component graphs into the simulation infrastructure, a discrete event queue, a small ...
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R Ramdhany, P Grace, G Coulson, D Hutchison - comp.lancs.ac.uk
... eg IP forwarding, ICMP redirects) and provide access to system-oriented context information to ... the ManetProtocol instance instantiates its own dedicated thread and an associated FIFO queue in which ... A thread passing an event from a ManetProtocol instance in the layer below ...

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N Hoang, N Bellor, CD Pham, S ... - Proceedings of the ..., 2008 - doi.ieeecomputersociety.org
... This evolution takes place within the context of the pervasive computing, more known under the name of ubiquitous computing ... The first of them is the event-driven execution model ... TinyOS uses a FIFO queue: (i) it is a simple algorithm to implement; (ii) activity time of a mote have ...
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P Gore, DC Schmidt, C Gill, I Pyarali - Proceedings of the 10th IEEE Real- ..., 2004 - Citeseer
... Dispatching component, which consists of a buffer queue that provides support for the Order and Discarding Policy QoS properties. ... 3.4 Optimizing Event Processing Context: During the processing of events within an event channel, the event type of the incoming ...
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T Jussila, J Dubrovin, J Junttila, T Latvala, I Porres - ..., Validation and Verification. - Citeseer
... Otherwise, an event occurrence is removed from the input queue and a prioritized enabled transition is ... If no such transition exists and the event is not deferrable, the event occurrence is ... of the transition t . -evalguard (obj, t, params) evaluates guard (t) in the context of object obj ...
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Automated program recognition by graph parsing

[mit.edu \[PS\]](#)

LM Wills - 1992 - dspace.mit.edu

... 5.2.3 Expressing Clichés with Loose Constraints 179 5.2.4 Enqueuing New Messages and Events

183 5.2 ... Examples of data-structure clichés are sorted list, priority queue, and hash table. ... parsing approach to program recognition to determine how it would fit into the context of a ...

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Context flow: An alternative to conventional pipelined architectures

NP Topham, A Omondi, RN Ibbett - The Journal of Supercomputing, 1988 - Springer

... are possible, but the only sensible scheme is to forward incoming contexts on a (FIFO) basis. ...

T and B node may hold a single context, but M nodes may queue contexts for ... us, the compaction of instructions into a narrow format reduces the size of each **dynamic context** within the ...

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TH Kim, S Hong - Parallel and Distributed Computing: Applications and ..., 2004 - Springer

... Since the precise delivery of real-time data on the spot is an essential basis for constructing a context-aware computing platform, the recent advancement of low-cost sensor node provides an important ... The Kernel continuously checks the event queue for event arrivals; if ...

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[\[PDF\]](#) E. Patouni, N. Aloniostioti, P. Magdalinos

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I Campus, G Athens - Citeseer

... The communication between the individual modules is achieved using event routing between static ... In this context, it should be possible to dynamically compose the protocol components so ... In particular, the Manager creates a FIFO queue for each pair of components that should ...

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J Huselius, H Thane - 2004 - Citeseer

... Each event observed by a probe results in an entry that is logged in memory in one or ... The LIFO logging algorithm requires some pa-rameterization regarding individual queue-lengths, both for checkpoints and for control ... In the context of sporadic real-time systems, we have: ...

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M Sgroi, L Lavagno, A Sangiovanni - ... - IEEE Design & Test of ..., 2000 - Citeseer

... is not specified in uninter-preted Petri nets (PNs) and is represented by only named transitions ... underlying the SDL language are also asynchronous, but communicate via a single unbounded FIFO queue for each ... Let i indicate the event that at a certain instant occupies the j th ...

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Pcc: A modeling technique for mixed control/data flow systems

T Grijker, R Schoenen, H Meyer - doi.ieeecomputersociety.org

... cycle ba- sed technique has proven being quite inefficient when it comes to modeling multi rate

dynamic data flow ... at the system level, and to keep functional models free from information on the context of their ... An event queue may be annotated an integer number of cuts (cp. ...

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SC Karacal, JH Mize - IIE transactions, 1998 - Springer

... ShopCtrl and WorkCenterCtrl reimplement some of the methods defined in their superclass within the context of their ... Formal structure for discrete event simulation: Part II 223 ... d Declare the file names and paths for printing the standard reports on utilization, queue, and order ...

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... It is worth stressing that in the context of simulation modeling, the isolation ... implementations may be replaced (rewritten) independently. Dynamic structure of models (cite{Bar97}) may be implemented using the ... By default, active component each have a unique event queue of ...

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DC Schmidt - Proceedings of the - Citeseer

... in FIFO order at the end of device driver input queues, regardless ... DMP application performance and scalability, we are exploring optimization techniques to reduce event filtering overhead. ... trie-based search structures, and compiler technology based on context-free grammars ...

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WK Chen, M Hiltunen, R Schlichting - International Conference on ..., 2001 - Citeseer

... shared within a given composite protocol and a message abstraction that provides for a dynamic set of ... Activation involves three steps, each of which changes event handler bindings ... may pass a queue of messages that were waiting to be transmitted; these messages must be ...

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[PDF] The adaptive communication environment

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DC Schmidt - Proc. 11th Sun User Group Conf, 1993 - Citeseer

... When combined with OO language features (such as classes, inheritance, dynamic binding, and parameterized types ... In the code below, a subclass derived from ACE Event Handler is parameterized ... mechanisms (such as the peer-to-peer nature of Message Queues, the efficient ...

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G Chen, M Li, D Kotz - First Annual International Conference on Mobile ..., 2004 - Citeseer

... To cope with the dynamics of a ubicomp environment, Solar exposes two interfaces ... for composers (typically applications) to specify operator graphs, identifying context-fusion operators ... queries

while the data-reduction policy states how to drop or summarize an event queue. ...

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The architecture of the READY event notification service

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RE Gruber, B Krishnamurthy, E ... - Proceedings of the ..., 1999 - doi.ieeecomputersociety.org

... children. Context information represents information that ... implemented. The

implementation of global ordering of event timestamps is done by placing matched events

in a queue that is ordered by the lowest event timestamp. Notifications ...

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[cni.it \[PDF\]](#)

D Latella, M Massink - Lecture notes in computer science, 2003 - Springer

... of E. We let $E[(q, e)]$ denote the multi-queue equal to E except that on queue (named) q of ... n]

where $E[\cdot] \Delta = E$. Notice that in this paper we use a syntax for event sending (namely ... 5 This

is a similar situation as in the π - calculus [11], although in a completely different context. ...

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[CITATION] Discrete-Event Simulation in an Extended Actor Context

ASG Lapalme, P Salle - Progress in simulation, 1992 - Ablex Publishing Corporation

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CC Han, R Kumar, R Shea, E Kohler, M Srivastava - usenix.org

... By adopting an event driven architecture, SOS is able to support a comparable amount of

concurrency without the context switching overhead of MANTIS. ... int8_t post_long(sos_pid_t

did, sos_pid_t sid, Place a message on the queue to call function 'type'. ...

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A network communication protocol for distributed virtual environment systems

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GD Kessler, LF Hodges - Proceedings of VRAIS'96, 1996 - doi.ieeecomputersociety.org

... When processing events, a task often needs the context, or state, at the time of the ... implementation

of updatable queue pairs, which we have named the Inter- Process Queue (IPQ) library. ... In addition,

a task can read the latest command, event, or state update without waiting, if ...

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M Hiltunen, F Taiani, R Schlichting - Proceedings of the 5th ..., 2006 - portal.acm.org

... we used deadline-based non-preemptive scheduling implemented by an event queue and a ...

When an event is raised, the event handler gets two sets of arguments: static ... tional attributes to the impacted objects (assuming an OO environment), and using context information to ...

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Practical, Fast and Simple Concurrent FIFO Queues Using Single Word ...

C Eveuz - Lecture Notes in Computer Science, 2008 - Springer

... The ABA problem is a well-known problem in the context of data structures implemented by CAS ... In other words, the enqueue events appear to be sequential. ... space requirements and the need for advance knowledge of the number of threads that will access the queue. ...

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S Gnesi, F Mazzanti - Second ACIS International Conference on Software ..., 2004 - Citeseer

... Initial default transitions are required not to have actions; static and dynamic choice transitions are ... as shown by the following simplified schema (E: Env represents the "current context" in which a ... node (its active, states, the values or its variables, the content of the events queue). ...

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AR Mikler, JSK Wong, V Honavar - The Journal of Systems & Software, 1998 - Elsevier

... In the context of our research, we assume linkspecific parameters, such as bandwidth, to be uniform throughout the ... a service function, and a message generator (see Figure 2). Arriving messages are added to the queue and upon invocation by the event dispatcher, the ...

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DC Schmidt - Theory and Practice of Object Systems, 1996 - Citeseer

... The design forces that motivate and shape the pattern; The solution to these forces; The related classes and their roles in the solution; The responsibilities and dynamic collaborations among classes ... OS EVENT DEMULTIPLEXING INTERFACE : Timer Queue : Signal Handlers ...

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RK Gupta, CN Coelho Jr, G De Michel - Proceedings of the 29th ..., 1992 - portal.acm.org

... for a such a scheduler on 8086 processor takes 103 cycles for each context switch. ... design refers to constraints on system design that ensure the partial ordering of events and operation ... culminate in control transfer) are well suited to be implemented as a queue connected with ...

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P Salle - Progress in Simulation, 1994 - books.google.com

... Page 289. Discrete-Event Simulation in an Extended Actor Context 281 Queue is a specialized actor that places the current process into a waiting line. Queue actors' competence also includes a statistics collection. 3.3. ...

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G Coulson - IEEE Multimedia, 1999 - Citeseer

... To prevent this potential pathology, a test-and-set instruction is used by the context switch code

to read ... One prominent user of the event handling framework is the timer implementation code ...

This multiplexes virtual timers, using a delta queue scheme, on top of (assuming a UNIX ...

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G Bosilca, F Cappello, G Fedak, T Herault, ... - Proceedings of the ..., 2002 - portal.acm.org

... Thus, the whole context of a parallel execution is saved and stored in a distributed way. ... situations

a) and b) is the lack of a total order over the communications events of different re ... tions, the CM manages two types of queues: a common queue for all control messages, and one ...

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R Chakravorty, I Pratt, J Crowcroft, M D' ... - IEEE Wireless ..., 2003 - Citeseer

... The Resource Manager schedules packets, and performs bandwidth and queue management functions. ... They show that by suitably sharing the events between a PEP and PDP using ... The framework makes use of dynamic QoS arbitration, by using PDP context Activation/Modify ...

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Hybrid system dynamic-discrete event simulation-based architecture for ...

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J Venkateswaran, YJ Son - International Journal of Production ..., 2005 - ingentaconnect.com

... In the context of manufacturing enterprise, two types of distributed decision-making are ... of component parts whose flow through the shop is governed by queue rules or ... information models for enabling distributed simulation of multiple discrete event simulation models, each ...

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G Banga, P Druschel, JC Mogul - Operating Systems Review, 1998 - Citeseer

... As discussed in Section 3, most current systems do protocol processing in the context of a ... Next, consider an event-driven server, on a uniprocessor, using a single kernel thread to handle ... Both kinds of servers, when handling a request for a dynamic (CGI) document, pass the ...

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DC Schmidt, CO'Ryan, M Kircher, I Pyarali, F ... - PLoP conference. <http://...> - Citeseer

... This design incurs numerous synchronizations and context switches to insert the request into, or remove the request from, the message queue. o • Multiple threads that demultiplex events on a shared set of event sources must coordinate to prevent race conditions. ...

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G Carlos Pineda, E Hugo Coyote, A Jordi Garcia - Citeseer

... it only notifies its termination to another thread which specifically must wait for that event and, once ... When a context switch is called it is not necessary to verify if the execution queue is ... from

the start and input queues to the execution queue, and that operation is done when the ...

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S Hangal, N Chandra, S Narayanan, S ... - Proceedings of the ..., 2005 - portal.acm.org

... oriented towards invariants often encountered in current hardware design practice, especially in the context of microprocessors ... lizer for events in the MCU write protocol ... This invariant captures an in-order FIFO which queues physical addresses (PAs) while a write-after-read ...

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... The gateway uses this pattern to synchronize the multi-threaded configuration of its Message Queues ... For example, run-time context information can be used to guide implementation decisions and com ... Handler can use the Active Object pattern and handle its I/O events in a ...

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A Laurentowski, K Zielinski - The Computer Journal, 2004 - Br Computer Soc

... (i) Run-time instance-level introspection of monitored entities (monitored objects with their attributes in the context of containment ... Page 7. Experiences from Implementation and Evaluation of Event Processing 211 ... Connector Server Notification Queue Connector Client ...

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E Cheong, J Liu - Proceedings of the conference on Design, ..., 2005 - portal.acm.org

... In galsC, all memory is statically allocated; there is no dynamic memory allocation ... actor is in the scheduled context, and one or more other actors are in an interrupt context. There are two mechanisms for actors to communicate in galsC: event queues (ports) and guarded global ...

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CH Li, HP Chang - elearning.lib.fcu.edu.tw

... This is similar to post a task by event handlers in TinyOS and deferred ISRs in Linux [4]. 2. Normal ...
Consequently, in SenCore, we require only one stack in each priority queue. ... two units: one is the hardware interrupt latency and the other is the time to save the CPU context of the ...

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[Mapping of high-level sdl models to efficient implementations for tinyos](#)

D Dieterle, J Ryman, K Dombrowski, R ... - ... Symposium on Digital ..., 2004 - csdl.computer.org

... depicted in Figure 2). Tasks, command and event handlers execute in the context of the ... Whenever a new signal is added to the component's queue and the state machine task is not ... signal to be processed, the component becomes inactive, waiting for the next event or command ...

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D Major, G Minshall, K Powell, I Novell - usenix.org

... it will call the ESR associated with the first work object directly, with no context switch ... 4) The event queue is the only input the mirrored server engine has from the rest of ... Dynamics Every event enqueued to the primary mirrored server engine is reliably transferred over the MSL to ...

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IM Leslie, D McAuley, R Black, T Roscoe, P ... - IEEE Journal on ..., 1996 - Citeseer

... in a simple QoS specification: it reduces the overhead for the scheduler in recalculating a schedule during a context switch. ... An sdqm can be in one of ve states and may be on a scheduler queue:

Queue State running running in guaranteed time ... Q b blocked awaiting an event ...

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JR Abrial, L Mussat - Lecture Notes in Computer Science, 1998 - Springer

... The fourth proof obligation states that the variant decreases under the corresponding event. ... This has the effect of separating the context of what is to be proved "dynamically" from the initial condition which does not always hold. ... Page 15. Introducing Dynamic Constraints in B 97 ...

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[Intelligent dynamic scheduling system: the application of genetic algorithms](#)

M Jahangirian, GV Conroy - Integrated Manufacturing Systems, 2000 - emeraldinsight.com

... To implement such a structure that can dynamically change the queue discipline, a combination ...
Tackling the machine scheduling problem in a dynamic context was addressed in this paper ... basic single machine problem with a number of sources of dynamic events revealed that ...

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S Wang, S Malik - Proceedings of the 1st IEEE/ACM/IFIP ..., 2003 - portal.acm.org

... the design of the resource sharing scheme and the synthesis of an event processing mechanism ...
original specC language's ability to handle the interleaved execution behavior of dynamic
schedulers. ... Receive Buffer Register (RBR), is the read-point of the UART receiving FIFO. ...

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Extending futex for kernel to user notification

H Bahmann, K Froitzheim - ACM SIGOPS Operating Systems ..., 2008 - portal.acm.org

... However it will likely block immediately waiting for new events (resulting in an other context switch
back to the previous thread). ... The approach fundamentally relies on the ability to "re-queue" a thread
from one event flag to another without actually activating it (cf. ...

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RH Bordini, M Fisher, C Pardavila, M ... - Proceedings of the ..., 2003 - portal.acm.org

... any movement in time in its belief base; X_k : maximum number of pending events, ie, the maximum
number entries in the event queue that an ... if check TE and Context of Plan j plan is applicable
FindFreeSpace(i_data, idx); Initialise(i_data[idx]); break; Send idx to Event Selection: ...

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J Jacob - Lecture Notes in Computer Science, 2006 - Springer

... was chosen because it shows all the different kinds of transitions and it has dynamic object
creation ... in places where rml-list and rml-use constructs are used to preserve input context in the ...
the trigger that indicates the event that has to be removed from the event-queue, and then ...

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K Lu, D Nussbaum, JR Sack - scs.carleton.ca

... Upon the arrival of a SeM join/leave/update event, the LoCoM (2.b) will update this information
with the UDS ... Three SeM's run-time parameters are set as follows: incoming queue size=5000,
outgoing queue size=1000 and number of ... 7. SeM's Effectiveness for Context Delivery ...

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CE Cuesta, M del Pilar Romay, P de la Fuente, M ... - New Issues on ... - Citeseer

... Ideally, this context is a small or medium-sized P2P architecture, in which a number of identical ...
In summary, every issued event is instantly replicated and broadcast to every peer. ... Here we
assume it is an indexed queue with a FIFO model, where messages are consumed when ...

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A Casimiro, J Kaiser, P Verissimo - Proceedings of the 1st ..., 2004 - portal.acm.org

... This is of course an overhead compared to the use of implicit knowledge, but in a dynamic environment such information is needed. ... These allow to characterize the usefulness of the event for a certain application, in a certain context. ...

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[PDF] [Unified specification of control and data flow](#)

T Grötker, R Schoenen, H Meyer - IEEE ..., 1997 - nats-www.informatik.uni-hamburg.de

... Executing an event driven simulation in the context of an existing data flow domain does not offer a solution since the embedded event driven simulation will have ... stream event queue s: number of initial values c: number of cuts i data driven process "O- event driven process ...

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[Agile and scalable analysis of network events](#)

M Fisk, G Varghese - Proceedings of the 2nd ACM SIGCOMM ..., 2002 - portal.acm.org

... we had a specific application domain in mind, the statistics we gather, and the context of the ... system, but provide lower-level routing that can be used in ways that most event-based systems ...

An input queue, in the form of a FIFO ring of record pointers, is associated with each ...

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[HTML] [Time-constrained programming in Windows NT environment](#)

L Budin, L Jelenkovic - ..., 1999. ISIE'99. Proceedings of the ..., 1999 - crosbi.znanstvenici.hr

... Because this queue is a FIFO structure, one high priority task can be done after many lower priority tasks which were before in a queue. ... Times under t1 represent average context switching time between one event generator thread and a thread waiting for processing that ...

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[From distributed objects to hierarchical grid components](#)

F Baude, D Caromel, M Morel - Lecture Notes in Computer Science, 2003 - Springer

... way to globally manipulate distributed and running activities, and in this context, obviously, the ... not be processed in the "stopped" state (but it will stay in the queue). ... CCA-enabled components, in which all services (directory, registry, creation, connection, event) are themselves ...

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J Chow, B Pfaff, T Garfinkel, K Christopher, M ... - USENIX Security ..., 2004 - usenix.org

... Second, to avoid doing expensive hash calculations in interrupt context, the RNG stores plaintext

keystrokes into a ... a function called to clear input events as they are removed from the input queue.

The existing code only set events' type codes to no_event, so we added a line to ...

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S Oh, Y Yi, S Jeong, Y Choi, Y Ko - Proceedings of the 24th Conference ..., 1998 - Citeseer

... These actions are inserted into the Action queue of Action scheduler ... For example, an execution of an action brings out new events and actions, but these new ... The need for such complex context-sensitive interpretation necessitates such a complicated Link processor mechanism ...

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[arxiv.org](#) [\[PDF\]](#)

Y Huang, J Yu, J Cao, X Ma, X Tao, J Lu - Imprint, 2009 - arxiv.org

... of the global activity, p is the upper bound of length for each queue in detecting ... The predicate broker accepts consistency constraints specified by the context-aware application ... The non-checker process monitors the local predicate value based on the Event-Condition-Action ...

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Linda in context

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N Carriero, D Gelernter - Communications of the ACM, 1989 - portal.acm.org

... Artificial Intelligence and LINDA IN CONTEXT ... Most systems classify these events under separate and unrelated mechanisms, but the tuple space model covers them all. ... A second process that attempts to enter the monitor is automatically blocked on a monitor queue until the ...

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MT de Esteban, TMG Harbour - Work, 2008 - ctr.unican.es

... A thread gets blocked (block) or unblocked (ready) (ie leaves and enters the ready-queue of the ... In this chapter we talk about the context in which this work has been made which is the ... Support for worst case execution time analysis through a discrete event simulator (Rapita's ...

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Performance specification using attributed grammars

R Mandayam, R Vemuri - ... of the 30th international conference on ..., 1993 - portal.acm.org

... has such an attribute, is the sum of the values of all its components that have an attribute named area ... real; attr hops of ppl is set of hop; attr import, export of stage, bfr: name, event attr ip ... dynamic attr obs:=pd-up, obs-eff of ppl is real := 0.0; dynamic attr min-put, max-put of ppl ...

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Simultaneous events and lookahead in simulation protocols

[cparity.com](#) [\[PDF\]](#)

V Jha, R Bagrodia - ACM Transactions on Modeling and Computer ..., 2000 - portal.acm.org

... Unless specifically noted, we assume a **dynamic** simulation model; that is, as a result of processing an ... However, to keep the proofs simple, we assume that the execution of an event at simulation ...

each LP that has not been terminated at time t, together with its queue of pending ...

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IMPLEMENTATION OF ASSERTIONS CHECKERS IN SOFTWARE AND ...

M Forczek, K Hrynkiewicz - ... and systems 2003 (PDS 2003): a ..., 2003 - books.google.com

... The assertions dedicated for hardware models are not related with a context of any behavioural code execution. ... The realization of checker for e4 pattern is shown in figure 4. The FIFO queue provides the event's history data for backtracking in time. Fig. ...

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[sics.se](#) [PDF]

DGJK Paek, TY Kim - doi.ieeecomputersociety.org

... In this context, DAD stands for Distributed Application Development and MOM stands for Message-Oriented Middleware. ... Clients send and receive events, or messages, via APIs that the MOM provides. ... Asynchronous processing Yes. Queues and triggers are required. Limited. ...

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WYR Mok - Citeseer

... A non-local jump transfers control among dynamic blocks. The destination (block) must ...

Sections 2.3 and 2.4 are about propagating an event. In particular, a survey on ... also

introduced. Section 2.5 looks at how propagation may affect the context in ...

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Runtime dynamics in collaborative systems

RR Muntz - Proceedings of the international ACM SIGGROUP ..., 1999 - portal.acm.org

... Nonetheless, research along these lines does not address the problem of runtime context switching when changes to policies take place ... time dynamics. ... take :- //add a fact to the internal database add holds-floor(self), //set an alarm which posts an event named //reporter(10000 ...

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W Shu - Fifth Symposium on the Frontiers of Massively Parallel ..., 1995 - Citeseer

... Since uThreads are used in the context of massive parallelization of a single application, the elimination of all ... All events are synchronized by message passing. ... When the message reaches the head of a scheduling queue, the handler is executed with the data as arguments. ...

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M Jurmu, J Riekki - mediateam.oulu.fi

... agent-based software systems Generic Event Notification Architecture, an application layer event mechanism Graphical ... In addition, this section also discusses context and context-awareness which are ... of sensory information available and form a basis for dynamic and implicit ...

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A Layered Approach to Simulation Communication Systems Using SIMULA

J Hauser, D Baker - MILCOM - [ieeexplore.ieee.org](#)

... The Simula code that a user of the Layer1 context writes instantiates the object-template ... other hand, if the transmitter is idle, starting a message immediately queues a msg_arrived_while_idle ... set externally by inputting fixed data or internally by the occurrence of events within the ...

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ParaSol: a multithreaded system for parallel simulation based on mobile threads

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E Mascarenhas, F Knop, V Rego - ... of the 27th conference on Winter ..., 1995 - [portal.acm.org](#)

... well-known world views: event-scheduling, actuator-scanning and process-interaction ... dynamic creation and destruction of threads, priority-based scheduling and context switching ... main contains functionality (operations on servers and queues) that is different from functionality ...

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... Passive objects have no dynamic behavior. ... execution of state machines within an object is implemented by executing one action at a time in response to events on the event queue regardless of the ... This number is frightening in the context of traditional development methods. ...

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... until derive-time, MTL ties together the protocol infrastructure through the dynamic binding of the ... These include the packet and packet manipulators, context and context manager, data delivery services ... some utility classes such as the state machine class and event queue class. ...

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... a sequence of rules might be produced from a goal (backward chaining) or an event (forward chaining) ... of that user and its activity will be performed by that user, if the context is an ... Within a queue, the rule instances would be executed according to the usual FIFO scheme. ...

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... Since C++ objects are registered with the Reactor (as opposed to stand-alone sub-routines), any context information associated ... teristics of the three platform-independent classes in the Reactor: the ACE Time Value, ACE Timer Queue, and ACE Event Handler classes: ...

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G Csertan, G Huszler, I Majzik, Z Pap, A Pataricza, D ... - Citeseer

... 4 Page 5. 3. removing a part of the graph (that can be mapped to the '\$ but not the £ \$ graph (yielding the context graph), 4. gluing £ and the context graph, and obtaining the derived model (10 . a1:Automata ... Each event queue is modeled by a ... The ordering of events in FIFO ...

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... preservation problem stems from operating system and protocol processing overhead (such as data movement, context switching, and synchro ... Results below for 8k socket queue ... The server-side used the CORBA impl is ready event loop to demultiplex incoming requests to the ...

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CY Chang, TY Wu, CC Huang, AJW ... - Journal of Internet ..., 2007 - hcc.dormv6.niu.edu.tw

... can decompress the compresses header, the compressor only need to send the Context ID with ...

3 types (realtime, non-realtime and general) and then put them in 3 queues. ... but not limited to diffraction optics, applied optical systems design, discrete event simulation processes. ...

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ML-DEWS: Modeling language to support dynamic evolution within workflow ...

C Ellis, K Keddara - Computer Supported Cooperative Work (CSCW), 2000 - Springer

... Execution objects are also contextual objects; the context, here, is taken to be the case within which objects are created. ... Many implementation details have been left out; eg priority queues are used to select which events are delivered to which transitions. ... 6. The event model ...

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J Eker, JW Janneck, EA Lee, J Liu, X Liu, J ... - Proceedings of the ..., 2003 - Citeseer

... equations (ODEs) and differential algebraic equations, have been used for modeling mechanical dynamics, analog circuits ... Factoring this functionality out of the actors into a common coordinating context has two important ... The execution of this model uses a global event queue. ...

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R Longobardi - 2008 - freepatentsonline.com

... about which WMI provider 230 to contact for dynamic data or event notifications is ... is reset to the expiration time of the new first record to be extracted from the FIFO queue. ... Particularly, parameters (including context information typical of the WMI architecture) passed to the bridge ...

[\[PDF\]](#) Cayuga: A general purpose event monitoring system

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A Demers, J Gehrke, B Panda, M Riedewald, V Sharma ... - Proc. CIDR, 2007 - Citeseer

... Intuitively, each intermediate state with a filter edge but no re-bind edge implements a NEXT construct ... be consistent with the notion of a filter predicate in CEL formulations, in the context of automaton ... For any automaton instance l under state P , if the current event together with ...

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[A grammar-based methodology for protocol specification and implementation](#)

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DP Anderson, LH Landweber - ... of the ninth symposium on Data ... 1985 - portal.acm.org

... protocols. An RTAG specification is based on an underlying context-... output event represented by an output symbol is performed only when ... find the closest ancestor named sVm 1 of the symbol instance serving as the LHS of this production; find the leftmost of its children named ...

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